

Cumulative Review 1 (KEY)

1.  $(x+5)(x-2)$

2.  $(3x-5)(x+2)$

3.  $(2x^3+3y)(2x^3-3y)$

4.  $(x-4)(x^2+4x+16)$

5.  $(u+3v)^3$

6.  $2r^2+21r+40$

7.  $x^3+125$

8.  $x^2+4$

9.  $x^3-8x^2+x+5$

10. 4 zeros

11. yes it's a factor (show work!)